

CLAIMS

1. A new fibrinogen binding protein derived from *Staphylococci* having a molecular weight of 60 kDa.
2. Hybrid-DNA-molecule comprising a nucleotide sequence from *S. aureus* coding for a protein or polypeptide having fibrinogen binding activity.
3. Plasmid or phage comprising a nucleotide sequence from *S. aureus* coding for a protein or polypeptide having fibrinogen binding activity.
4. An *E. coli* strain expressing said fibrinogen binding protein.
5. A microorganism transformed by recombinant DNA molecule of claim 2.
6. Hybrid-DNA-molecule according to claim 2, comprising the following nucleotide sequence:
- GAGCGAAGGA TACGGTCCAA GAGAAAAGAA ACCAGTGAGT ATTAATCACA  
ATATCGTAGA GTACAATGAT GGTACTTTTA AATATCAATC TAGACCAAAA  
TTTAACTCAA CACCTAAATA TATTAAATTC AAACATGACT ATAATATTTT  
AGAATTTAAC GATGGTACAT TCGAATATGG TGCACGTCCA CAATTTAATA  
AACCAGCAGC GAAAACTGAT GCAACTATTA AAAAAGAACA AAAATTGATT  
CAAGCTCAAA ATCTTGTGAG AGAATTTGAA AAAACACATA CTGTCAGTGC  
ACACAGAAAA GCACAAAAGG CAGTCAACTT AGTTTCGTTT GAATACAAAG  
TGAACAAAAT GGTCTTACAA GAGCGAATTG ATAATGTATT AAAACAAGGA  
TTAGTGAGA
7. A method for producing a fibrinogen binding protein or polypeptide wherein a) at least one hybrid-DNA molecule according to claim 2, is introduced into a microorganism, b) said microorganism is cultivated in a growth promoting medium, and c) the protein thus formed is isolated.
8. A fibrinogen binding protein or polypeptide comprising at least one amino acid sequence
- SEGYGPREKK PVSINHNIVE YNDGTFKYQS RPKFNSTPKY IKFKHDYNIL  
EFNDGTFEYG ARPQFNKPAA KDATIKKEQ KLIQAQNLVR EFEKTHTVSA  
HRKAQKAVNL VSFEYKVKKM VLQERIDNVL KQGLVR

5/11

- add  
A2